

State of California

Division of Occupational Safety and Health
Cal/OSHA Concord District Office (0950622; 4028)
1450 Enea Circle, Suite 525
Concord, CA 94520

Inspection Number: 311076269
Inspection Dates: 03/17/2010-09/16/2010
Issuance Date: 09/16/2010
CSHO ID: L0561
Optional Inspection Nbr: 046-10



Phone: (925) 602-6517 Fax: (925) 676-0227

Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 1 Item 1 Type of Violation: **Regulatory****Title 8, CCR, 2811**

Permanent and conspicuous warning signs shall be posted on all doors or gates that provide access to enclosures containing exposed energized parts and conductors. Such signs shall be legible at 12 feet and shall read substantially as follows:

"WARNING--HIGH VOLTAGE--KEEP OUT."

On and before March 17, 2010, the employer did not post a conspicuous warning sign "WARNING-HIGH VOLTAGE-KEEP OUT" on the door to the energized 12KV high voltage surface-operable primary electric underground splice enclosure or junction box identified as J-8470, located in the 300 block of Panorama Drive in Benicia.

Date By Which Violation Must be Abated:	Abated
Proposed Penalty:	\$ 425.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

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Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 2 Item 1 Type of Violation: Serious**Title 8, CCR 1518(d) Protection from Electric Shock.**

Before work is begun, the employer shall ascertain by inquiry, direct observation, or by instruments, whether any part of an energized electric power circuit, exposed or concealed, is so located that the performance of the work may bring any person, tool or machine into physical or electrical contact with the electric power circuit.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not ascertain by inquiry, direct observation, or by instruments, whether any part of an energized electrical power circuit, exposed or concealed was so located that the performance of the work would bring any person, tool or machine into physical or electrical contact with the electric power circuit before directing an employee to enter and work inside an energized 12KV surface-operable primary electric underground splice enclosure or junction box J-8470 where the energized conductors and equipment were not protected or insulated from inadvertent contact.

At about 10:00 hours an employee was electrocuted while working inside junction box J-8470 when one of the conductors became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated:	09/20/2010
Proposed Penalty:	\$ 9560.00

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Citation and Notification of Penalty**Company Name:** Pacific Gas & Electric Company**Inspection Site:** 300 block of Panorama Drive, Benicia, CA 94510

Citation 3 Item 1 Type of Violation: **Serious**, Accident-Related**Title 8, CCR, 2816(a)**

Conductors shall be insulated, except where un-insulated conductors are specifically permitted by these orders, and shall have a voltage rating not less than the operating voltage of the circuit.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not insulate the ends of the two conductors that were being installed in an energized 12KV surface-operable primary electric underground splice enclosure or junction box J8470 to serve a new transformer before one of the cables were energized.

At about 10:00 hours an employee was electrocuted while working inside junction box J-8470 when one of the conductors became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated:

09/20/2010

Proposed Penalty:

\$ 22500.00

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Citation 4 Item 1 Type of Violation: **Serious**, Accident-Related

Title 8, CCR, 2820

Metallic shielding components such as tapes, wires, or braids, or combinations thereof, and their associated conducting and semi-conducting components shall be grounded in accordance with Article 6.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not ground the concentric shielding of the new transformer cables to the ground system located inside an energized 12KV surface-operable primary electric underground splice enclosure or junction box J8470 before one of the cables was energized.

At about 10:00 Hours an employee was electrocuted when the end of the non-insulated cable arced or shorted and energized the ungrounded shielding that was touching the employee.

Date By Which Violation Must be Abated:

09/20/2010

Proposed Penalty:

\$ 22500.00

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Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 5 Item 1 Type of Violation: Serious Willful, Accident Related**Title 8, CCR, 2940(a)**

Safe Access. All work locations shall be safely accessible whenever work is to be performed.

Reference: Title 8, CCR, 2700 Safely Accessible. Not exposing persons installing, operating, maintaining, or inspecting electrical apparatus to serious risks of tripping or falling or of coming in contact with energized electrical parts, moving machinery, surfaces or objects operating at high temperatures, or other hazardous equipment.

On or before March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not require and ensure that the work location was safely accessible by protecting employees from coming in contact with energized electrical parts before directing an employee to enter and work in an energized 12KV surface-operable primary electric underground splice enclosure or junction box J-8470.

At about 10:00 Hours an employee was electrocuted while working inside junction box J-8470 when one of the conductors became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated:	09/20/2010
Proposed Penalty:	\$ 70000.00

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Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 6 Item 1 Type of Violation: **Serious**

Title 8, CCR, 2940 (d)

Observers. During the time work is being done on any exposed conductors or exposed parts of equipment connected to high-voltage systems, a qualified electrical worker, or an employee in training, shall be in close proximity at each work location to:

- (1) act primarily as an observer for the purpose of preventing an accident, and
- (2) render immediate assistance in the event of an accident. Such observer will not be required in connection with work on overhead trolley distribution circuits not exceeding 1,500 volts D.C. where there is no conductor of opposite polarity less than 4 feet there from, or where such work is performed from suitable tower platforms or other similar structures.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not provide or require an observer during the entire time an employee was installing conductors while working inside an energized 12KV surface-operable primary electric underground splice enclosure or junction box J-8470.

At about 10:00 hours an employee was electrocuted while working inside junction box J-8470 when one of the conductors became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated:	09/20/2010
Proposed Penalty:	\$ 9560.00

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Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 7 Item 1 Type of Violation: **Serious**, Accident-Related

Title 8, CCR, 2940.2(a)

No employee shall be permitted to approach or take any conductive object without an approved insulating handle closer to exposed energized parts than shown in Table 2940.2 unless:

- (1) The employee is insulated or guarded from the energized part (gloves or gloves with sleeves rated for the voltage involved shall be considered insulation of the employee from the energized part), or
- (2) The energized part is insulated or guarded from the employee and any other conductive object at a different potential.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer permitted employees to approach or take conductive parts closer to exposed parts than shown in Table 2940.2 without requiring an approved insulating handle, gloves or gloves with sleeves rated for the voltage, or that the energized parts were insulated or guarded for work occurring inside an energized 12KV surface-operable primary electric underground splice enclosure or junction box J-8470.

At about 10:00 hours an employee was electrocuted while working inside junction box J-8470 when he partially installed a 200A load break separable connector onto an exposed energized bushing and the conductor became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated:	09/20/2010
Proposed Penalty:	\$ 22500.00

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Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 8 Item 1 Type of Violation: **Serious**

Title 8, CCR, 2943(d)(3)

Suitable rubber gloves with protectors shall be worn when working on exposed conductors or equipment energized at 7,500 volts or less. Other exposed energized or grounded conductors or equipment in the work area, with which contact can be readily made, shall be covered with adequate protective devices, barricaded or otherwise isolated.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not provide and ensure suitable rubber gloves, adequate protective devices, barricades, or other means of isolation for exposed energized 7.25 KV to 12KV conductors and equipment located inside an energized 12KV surface-operable primary electric underground splice enclosure or junction box J-8470 before directing an employee to enter and perform work in the box.

At about 10:00 hours an employee was electrocuted while working inside junction box J-8470 without suitable rubber gloves, adequate protective devices, barricades or other forms of isolation when he partially installed a 200A load break separable connector onto an exposed energized bushing and the conductor became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated:	09/20/2010
Proposed Penalty:	\$ 9560.00

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Citation and Notification of Penalty

Company Name: Pacific Gas & Electric Company
Inspection Site: 300 block of Panorama Drive, Benicia, CA 94510

Citation 9 Item 1 Type of Violation: **Serious**

Title 8, CCR, 2943(e)(1)

Working on Cables, Conductors or Equipment Energized in Excess of 7,500 Volts.

When working on cables, conductors or equipment energized in excess of 7,500 volts, all exposed energized cables, conductors or equipment within reach of any part of the body shall be covered with suitable protective equipment or barricaded.

On March 17, 2010, at a worksite located in the 300 block of Panorama Drive in Benicia, California, the employer did not provide or require that all exposed energized cables, conductors or equipment within reach of any part of the body were covered with suitable protective equipment or barricaded while an employee was working inside an energized 12KV surface-operable primary electric underground splice enclosure or junction box J-8470 where he was installing conductors.

At about 10:00 hours an employee was electrocuted while working inside junction box J-8470 without suitable protective equipment or barricades when a 200A load break separable connector was partially installed onto an exposed energized bushing and the conductor became energized and arced or shorted across the un-insulated and un-terminated cut end through a small gap between the center and concentric neutral conductors while the outside of the concentric cable and the concentric neutral was touching the employee.

Date By Which Violation Must be Abated: 09/20/2010
Proposed Penalty: \$ 9560.00

Compliance Officer/District Manager
U. Jonas Ekeröth/David A. Becker

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State of California
Division of Occupational Safety and Health
Cal/OSHA District Office Index 4028
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(925) 602-6517

NOTICE OF PROPOSED PENALTIES

Company Name:	Pacific Gas & Electric Company
Inspection Site:	300 block of Panorama Drive, Benicia, CA 94510
Mailing Address:	77 Beale Street, San Francisco, CA 94105-1814
Issuance Date:	09/16/2010
Reporting ID:	0950622
Index Code:	4028

Summary of Penalties for Inspection Number 311076269

Citation 1, Regulatory	= \$	425.00
Citation 2, Serious	= \$	9560.00
Citation 3, Serious, Accident-Related	= \$	22500.00
Citation 4, Serious, Accident-Related	= \$	22500.00
Citation 5, Serious Willful, Accident-Related	= \$	70000.00
Citation 6, Serious	= \$	9560.00
Citation 7, Serious, Accident-Related	= \$	22500.00
Citation 8, Serious	= \$	9560.00
Citation 9, Serious	= \$	9560.00
TOTAL PROPOSED PENALTIES	= \$	176165.00

Penalties are due within 15 working days of receipt of this notification unless contested. If you are appealing any item of this citation, remittance is still due on all items that are not appealed. Enclosed for your use is a Penalty Remittance Form.

If you are paying by credit card (MasterCard and Visa): Please have this form on-hand when you are ready to make your payment. The company name, index code, reporting ID and Citation number(s) will be required to ensure that the payment is accurately posted to your account. Please go to www.dir.ca.gov/dosh to access the secure payment processing site.

If you are paying by check: Mail this Notice of Proposed Penalties, the Penalty Remittance Form, along with a copy of the Citation and Notification of Penalty to:

DEPARTMENT OF INDUSTRIAL RELATIONS
CASHIER, ACCOUNTING OFFICE
P. O. BOX 420603
SAN FRANCISCO, CA 94142-0603

CAL/OSHA does not agree to any restrictions, conditions or endorsements put on any check or money order for less than the full amount due, and will cash the check or money order as if these restrictions, conditions or endorsements do not exist.